## **EAST Search History**

## **EAST Search History (Prior Art)**

| Ref# | Hits | Search Query  | DBs   | Default<br>Operator | Plurals | Time Stamp          |
|------|------|---|---|---------------------|---------|---------------------|
| S1   | 4    | ("20020099135"  <br>"20040126607"  <br>"20050077413"  <br>"3639147"  <br>"5678613"  <br>"5983473"  <br>"6958127").PN. | USPAT; USOCR  | OR                  | OFF     | 2008/08/14<br>09:43 |
| S2   | 1    | "09/969975".app.  | US-PGPUB  | OR                  | ON      | 2008/08/14<br>09:46 |
| S3   | 1    | 10/664529.app.  | US-PGPUB  | OR                  | ON      | 2008/08/14<br>09:47 |
| S4   | 1    | 10/491007.app.  | US-PGPUB  | OR                  | ON      | 2008/08/14<br>09:47 |
| S5   | 1    | ("5279336").PN.   | USPAT; USOCR  | OR                  | OFF     | 2008/08/14<br>10:02 |
| S6   | 23   | ("4252157"  <br>"4834148"  <br>"4947902"  <br>"4953598"  <br>"5217049").PN. OR<br>("5279336").URPN.                   | US-PGPUB;<br>USPAT; USOCR   | OR                  | ON      | 2008/08/14<br>10:02 |
| S7   | 1    | 10/550959.app.  | US-PGPUB;<br>USPAT; USOCR   | OR                  | ON      | 2008/08/14<br>10:47 |
| S8   | 29   | ((TAKAHIRO) near2<br>(NAGAOKA)).INV.  | US-PGPUB;<br>USPAT; USOCR   | OR                  | ON      | 2008/08/14<br>11:33 |
| S9   | 33   | ((ICHIRO) near2<br>(KUSAKARI)).INV.   | US-PGPUB;<br>USPAT; USOCR   | OR                  | ON      | 2008/08/14<br>11:37 |
| S10  | 98   | "140"/\$.ccls. and<br>(binding or winding)<br>and (reel or bobbin)<br>and (sensor or<br>detector or indicator)        | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2008/08/14<br>12:41 |
| S11  | 2989 | "242"/\$.ccls. and<br>(binding or winding)<br>and (reel or bobbin)<br>and (sensor or<br>detector or indicator)        | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2008/08/14<br>12:41 |

| S12 | 2352 | "242"/\$.ccls. and (binding or winding) and (reel or bobbin) and (sensor or detector or indicator) and rotation   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/08/14<br>12:42 |
|-----|------|---|---|----|-----|---------------------|
| S13 | 1998 | "242"/\$.ccls. and<br>(binding or winding)<br>and ((reel or bobbin)<br>same (sensor or<br>detector or indicator))   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/08/14<br>12:51 |
| S14 | 794  | "242"/\$.ccls. and<br>(binding or winding)<br>and ((reel or bobbin)<br>near5 (sensor or<br>detector or indicator))  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/08/14<br>12:51 |
| S15 | 616  | "242"/\$.ccls. and (binding or winding) and ((reel or bobbin) near5 (sensor or detector or indicator)) and rotation   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/08/14<br>12:52 |
| S16 | 66   | "242"/\$.ccls. and (binding or winding) and ((reel or bobbin) near5 (sensor or detector or indicator)) and rotation and (twist or twisting)                     | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/08/14<br>12:52 |
| S17 | 1    | 10/491007.app.  | US-PGPUB  | OR | ON  | 2008/08/14<br>12:59 |
| S18 | 14   | ("2435086"  <br>"3292170"  <br>"4190216"  <br>"4236449"  <br>"4286487"  <br>"4834148"  <br>"4865087"  <br>"4878607"  <br>"5279336").PN. OR<br>("5515887").URPN. | US-PGPUB;<br>USPAT; USOCR   | OR | ON  | 2008/08/14<br>13:15 |
| S19 | 1    | ("6338263").PN.   | USPAT; USOCR  | OR | OFF | 2008/08/14<br>13:53 |
| S22 | 168  | 140/93.6.ccls.  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2008/08/14<br>14:45 |

| S23 | 199 | 140/93A.ccls.   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/14<br>14:45 |
|-----|-----|-----------------|---|----|----|---------------------|
| S24 | 341 | 140/119.ccls.   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/14<br>14:45 |
| S25 | 525 | 140/149.ccls.   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/14<br>14:45 |
| S26 | 397 | 242/563.ccls.   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/15<br>09:00 |
| S27 | 276 | 242/563.2.ccls. | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/15<br>09:00 |
| S28 | 303 | 242/588.6.ccls. | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/15<br>09:00 |
| S29 | 192 | 242/601.ccls.   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/15<br>09:00 |
| S30 | 246 | 242/912.ccls.   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/15<br>09:00 |
| S31 | 23  | 242/913.ccls.   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/15<br>09:00 |
| S32 | 205 | 72/37.ccls.     | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/15<br>09:06 |

| S33         | 74  | 72/6.1-19.9.ccls. and ((detector or sensor) near5 (reel or rotation)) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/08/15<br>10:04 |
|-------------|-----|---|---|----|-----|---------------------|
| <b>S</b> 34 | 334 | 140/93.2.ccls.  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2008/08/17<br>13:35 |
| <b>S</b> 35 | 112 | 140/57.ccls.  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2008/08/17<br>13:43 |
| S36         | 1   | ("6401766").PN.   | USPAT; USOCR  | OR | OFF | 2008/08/17<br>14:03 |
| <b>S</b> 37 | 1   | ("5678613").PN.   | USPAT; USOCR  | OR | OFF | 2009/03/15<br>17:47 |
| S38         | 1   | ("6125338").PN.   | USPAT; USOCR  | OR | OFF | 2009/03/15<br>17:47 |
| <b>S</b> 39 | 1   | ("7469724").PN.   | USPAT; USOCR  | OR | OFF | 2009/03/15<br>18:31 |
| S40         | 43  | (detect or detected or<br>detection) near5 "wire<br>reel"             | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/03/15<br>18:32 |
| S41         | 1   | ("5874816").PN.   | USPAT; USOCR  | OR | OFF | 2009/03/15<br>18:35 |
| S42         | 1   | (count or counting or<br>counted) near5 "wire<br>reel"                | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/03/15<br>18:51 |
| S44         | 1   | ("7469724").PN.   | USPAT; USOCR  | OR | OFF | 2009/03/16<br>09:02 |
| S45         | 1   | ("7327056").PN.   | USPAT; USOCR  | OR | OFF | 2009/03/16<br>09:03 |

| S46         | 13  | ("20010033118"   "20030108708"   "4024446"   "4214249"   "4683410"   "5177393"   "5239218"   "5245234"   "5463263"   "5598201"   "6111384"   "6737781").PN. OR ("7327056").URPN. | US-PGPUB;<br>USPAT; USOCR                                     | OR | ON  | 2009/03/16<br>09:05 |
|-------------|-----|--|---|----|-----|---------------------|
| <b>S</b> 47 | 20  | ("3293459"  <br>"3864588"  <br>"4255696"  <br>"4353016"  <br>"4509001"  <br>"4532447").PN. OR<br>("5239218").URPN.   | US-PGPUB;<br>USPAT; USOCR                                     | OR | ON  | 2009/03/16<br>10:07 |
| S48         | 258 | 700/122.ccls.  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/03/16<br>10:08 |
| <b>S</b> 49 | 44  | 700/126.ccls.  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/03/16<br>10:08 |
| S50         | 13  | ("3145294"   "4052599"   "4151403"   "4280159"   "4335439"   "4411008"   "4535949"   "4549268"   "4635216"   "4755888").PN. OR ("5136526").URPN.                                 | US-PGPUB;<br>USPAT; USOCR                                     | OR | ON  | 2009/03/16<br>10:47 |
| S51         | 1   | ("5664735").PN.  | USPAT; USOCR  | OR | OFF | 2009/03/16<br>14:40 |
| S52         | 1   | ("5310125").PN.  | USPAT; USOCR  | OR | OFF | 2009/03/16<br>15:01 |

| S53 | 189 | ((wind or winding or reel or reeling) near3 wire) and ((sense or sensor or sensing or detect or detecting) near2 (count or counting or mark))   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | MOR | ON  | 2009/03/16<br>15:24 |
|-----|-----|---|---|-----|-----|---------------------|
| S54 | 1   | ("6338263").PN.   | USPAT; USOCR  | OR  | OFF | 2009/03/16<br>15:30 |
| S55 | 50  | (US-20060283516-\$ or US-20040244866-\$ or US-20080134908-\$ or US-20050005992-\$ or US-20050087646-\$ or US-20070227613-\$ or US-20050061389-\$ or US-20060254666-\$). did. or (US-7143792-\$ or US-5983473-\$ or US-5983473-\$ or US-5613530-\$ or US-5613530-\$ or US-5613530-\$ or US-6000443-\$ or US-7051650-\$ or US-7051650-\$ or US-7147179-\$ or US-7051650-\$ or US-7147179-\$ or US-7051650-\$ or US-7147179-\$ or US-7051650-\$ or US-7147179-\$ or US-71 | US-PGPUB;<br>USPAT  |     | ON  | 2009/08/24 15:55    |

|     |     | 4619411-\$ or US-<br>4828001-\$ or US-<br>4884958-\$ or US-<br>5207856-\$ or US-<br>5359222-\$ or US-<br>5435351-\$).did.                                       |   |    |     |                     |
|-----|-----|---|---|----|-----|---------------------|
| S57 | 208 | ((wind or winding or<br>reel or reeling) near3<br>wire) and ((sense or<br>sensor or sensing or<br>detect or detecting)<br>near2 (count or<br>counting or mark)) | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/08/25<br>10:05 |
| S58 | 1   | ("5310125").PN.   | USPAT; USOCR  | OR | OFF | 2009/08/25<br>10:37 |
| S59 | 10  | ("3462091"  <br>"4022391"  <br>"4170951"  <br>"4184644"  <br>"4244539"  <br>"4848135"  <br>"5029619"  <br>"5036174"  <br>"5080295").PN. OR<br>("5310125").URPN. | US-PGPUB;<br>USPAT; USOCR                                     | OR | ON  | 2009/08/25<br>10:38 |
| S60 | 32  | ("2900145"  <br>"3433434"  <br>"3544035"  <br>"3822831"  <br>"3951355"  <br>"4022391"  <br>"4086472").PN. OR<br>("4244539").URPN.                               | US-PGPUB;<br>USPAT; USOCR                                     | OR | ON  | 2009/08/25<br>12:02 |
| S65 | 5   | ("20090126824"  <br>"5874816"  <br>"5938196"  <br>"5990919"  <br>"7147179").PN.   | US-PGPUB;<br>USPAT; USOCR                                     | OR | OFF | 2010/02/18<br>11:22 |
| S70 | 1   | ("5557101").PN.   | USPAT; USOCR  | OR | OFF | 2010/02/19<br>15:57 |
| S71 | 425 | 33/707.ccls.  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2010/02/19<br>16:09 |
| S73 | 388 | 356/343.ccls.   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM TDB | OR | ON  | 2010/02/19<br>16:17 |

| S74         | 125 | 356/411.ccls.              | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/02/19<br>16:18 |
|-------------|-----|----------------------------|---|----|----|---------------------|
| <b>S</b> 75 | 7   | 33/707.ccls. and reel      | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/02/19<br>16:19 |
| S76         | 1   | 356/343,411.ccls. and reel | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/02/19<br>16:48 |

## **EAST Search History (Interference)**

<This search history is empty>

2/28/2010 3:28:25 PM

H:\ EAST\ Workspaces\ 10550595.wsp